

We claim:

1. A method of optical bi-direction communication between mobile communication devices, wherein each mobile communication device has data storage locations, and wherein the mobile communication device includes an optical data capture mechanism, comprising:

5 rendering, in one mobile communication device, data in a computer readable form;
determining if the rendered data can be stored in a single data file;
converting the rendered data to a graphic representation; and
reading and storing the graphic representation with the optical capture mechanism
of another mobile communication device.

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2. The method of claim 1 which further includes, if data cannot be stored in a single data file, converting the data to plural graphic representations.

3. The method of claim 1 wherein said storing includes:

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capturing the graphic representation;
determining if the graphic representation is successfully captures;
decoding the graphic representation; and
storing the decoded graphic representation in the mobile communication device's
data storage location.

4. The method of claim 3, which further includes, if the graphic representation is not successfully captured, reading the graphic representation until capture is successful.

5. A method of optical bi-direction communication between mobile communication devices, wherein each mobile communication device has data storage locations, and wherein the mobile communication device includes an optical data capture mechanism, comprising:

rendering, in one mobile communication device, data in a computer readable form;

5 determining if the rendered data can be stored in a single data file;

converting the rendered data to a graphic representation;

reading the graphic representation with the optical capture mechanism in an other mobile communication device;

capturing the graphic representation;

10 determining if the graphic representation is successfully captured;

decoding the graphic representation; and

storing the decoded graphic representation in the mobile communication device's

data storage location.

15 6. The method of claim 5 which further includes, if data cannot be stored in a single graphic file, converting the data to plural graphic representations.

7. The method of claim 5 which further includes, if the graphic representation is not successfully captured, reading the graphic representation until capture is successful.